CLAIMS

Claim 1 (Previously Presented)   An AV content processing device for outputting at least a

portion of an AV content including a program section and a commercial message (CM) section,

the AV content processing device comprising:

an acquisition unit for acquiring boundary information indicating a boundary between the

program section and the CM section, indicating a number of unit CM sections included in the

CM section, and indicating a position of each unit CM section;

a first reception unit for receiving, from a user, an instruction for extracting and

outputting a predetermined section of the AV content;

a boundary correction unit for selecting, in accordance with the instruction received by

the first reception unit, whether the boundary is shifted in one of a direction causing the CM

section to be short and a direction causing the CM section to be long, and for correcting a

content of the boundary information to cause the boundary to shift in accordance with the

selected direction of the boundary shift; and

an output control unit for determining, when the instruction is received by the first

reception unit, the boundary between the program section and the CM section in accordance with

the corrected boundary information, and extracting and outputting a section of the AV content

indicated by the instruction and based on the corrected boundary information.

Claim 2 (Currently Amended)   The AV content processing device according to claim 1,

wherein the first reception unit is operable to receive, from the user, ~~(i)~~ a program output

instruction for outputting at least a portion of the program section of the AV content and ~~(ii)~~ a

CM output instruction for outputting at least a portion of the CM section of the AV content,

wherein the boundary correction unit (i) corrects the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be short when the program output instruction is received by the first reception unit, and (ii) corrects the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be long when the CM output instruction is received by the first reception unit, and

wherein the output control unit (i) extracts and outputs, when the program output instruction is received by the first reception unit, a section identified as a program section according to the corrected boundary information, and (ii) extracts and outputs, when the CM output section is received by the first reception unit, a section identified as a CM section according to the corrected boundary information.

Claim 3 (Currently Amended)   The AV content processing device according to claim 2 further comprising a second reception unit for receiving, from the user, a skip instruction for skipping a portion of the AV content being outputted by the output control unit,

wherein, when the skip instruction is received by the second reception unit during an output of the AV content between (i) a boundary indicating a start point of a CM section according to the boundary information that is not corrected and (ii) a boundary indicating a start point of the CM section according to the corrected boundary information, the output control unit causes the output of the AV content to skip to an end point of the CM section according to the corrected boundary information, and

wherein, when the skip instruction is received by the second reception unit during an

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output of the AV content between ~~(i)~~ a boundary indicating an end point of the CM section according to the boundary information that is not corrected and ~~(ii)~~ a boundary indicating the end point of the CM section according to the corrected boundary information, the output control unit causes the output of the AV content to skip to the end point of the CM section according to the boundary information that is not corrected.

Claim 4 (Currently Amended) The AV content processing device according to claim 1 further comprising a detection unit for calculating a parameter indicating characteristics of one of a sound and an image included in the AV content and for detecting, as a characteristic section, a section of the AV content for which the parameter satisfies a predetermined condition,

wherein the first reception unit is operable to receive, from the user, a ~~characteristics~~ characteristics' output instruction for extracting and outputting the characteristic section in the program section,

wherein the boundary correction unit corrects, when the ~~characteristics~~ characteristics' output instruction is received by the first reception unit, the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be long, and

wherein the output control unit extracts and outputs, when the ~~characteristics~~ characteristics' output instruction is received by the first reception unit, the characteristic section included in a section identified as a program section, according to the corrected boundary information.

Claim 5 (Currently Amended) The AV content processing device according to claim 1

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further comprising a detection unit for calculating a parameter indicating characteristics of one of a sound and an image included in the AV content and for detecting, as a characteristic section, a section of the AV content for which the parameter satisfies a predetermined condition,

wherein the first reception unit is operable to receive, from the user, a characteristics'-~~characteristics~~ output instruction for extracting and outputting the characteristic section in the program section,

wherein the boundary correction unit corrects, when the ~~characteristics~~ characteristics' output instruction is received by the first reception unit, the content of the boundary information to cause the boundary to shift in the direction causing the CM section to be short, and

wherein the output control unit extracts and outputs, when the ~~characteristics~~ characteristics' output instruction is received by the first reception unit, the characteristic section included in a section identified as a program section, according to the corrected boundary information.

Claim 6 (Previously Presented)   The AV content processing device according to claim 1,

wherein the acquisition unit further acquires CM number information indicating a number of unit CM sections included in the CM section and length information indicating a length of the CM section, and

wherein the boundary correction unit selects an amount of shift performed for a boundary that indicates a start point of the CM section and for a boundary that indicates an end point of the CM section, based on the CM number information and the length information of the CM section.

Claim 7 (Previously Presented)   The AV content processing device according to claim 1, wherein the boundary correction unit selects an amount of shift performed for a boundary that indicates a start point of the CM section and for a boundary that indicates an end point of the CM section, based on a length of a program section immediately before the CM section.

Claim 8 (Previously Presented)   The AV content processing device according to claim 1, wherein the boundary correction unit selects an amount of shift performed for a boundary that indicates a start point of the CM section and for a boundary that indicates an end point of the CM section, based on a ratio between a length from a start of the AV content to the CM section and a length of the entire AV content.

Claim 9 (Previously Presented)   The AV content processing device according to claim 1, wherein the boundary correction unit corrects, when a predetermined condition is satisfied for the CM section, the boundary information such that a boundary that indicates a start point of the CM section and a boundary that indicates an end point of the CM section are erased.

Claim 10 (Previously Presented)   The AV content processing device according to claim 1 further comprising a program information acquisition unit for acquiring program information that concerns a program included in the AV content,

wherein the boundary correction unit changes an amount of shift performed for the boundary based on the acquired program information.

Claim 11 (Currently Amended)   An AV content processing method for outputting at least a

portion of an AV content including a program section and a commercial message (CM) section,

the AV content processing method comprising:

acquiring boundary information indicating a boundary between the program section and

the CM section, indicating a number of unit CM sections included in the CM section, and

indicating a position of each unit CM section;

receiving, from a first reception unit used by a user, an instruction for extracting and

outputting a predetermined section of the AV content;

correcting a boundary by (i) selecting, in accordance with a type of the instruction

received by the receiving of the instruction, whether the boundary is shifted in one of a direction

causing the CM section to be short and a direction causing the CM section to be long, and (ii)

correcting a content of the boundary information to cause the boundary to shift in accordance

with the selected direction of the boundary shift; and

determining, when the instruction is received by the receiving of the instruction, the

boundary between the program section and the CM section in accordance with the corrected

boundary information, and extracting and outputting a section of the AV content indicated by the

instruction and based on the corrected boundary information.

Claim 12 (Previously Presented)   A computer-readable recording medium having a program

recorded thereon, the program for outputting at least a portion of an AV content including a

program section and a commercial message (CM) section, and the program causing a computer

to execute a method comprising:

acquiring boundary information indicating a boundary between the program section and the CM section, indicating a number of unit CM sections included in the CM section, and indicating a position of each unit CM section;

receiving, from a user, an instruction for extracting and outputting a predetermined section of the AV content;

correcting a boundary by (i) selecting, in accordance with a type of the instruction received by the receiving of the instruction, whether the boundary is shifted in one of a direction causing the CM section to be short and a direction causing the CM section to be long, and (ii) correcting a content of the boundary information to cause the boundary to shift in accordance with the selected direction of the boundary shift; and

determining, when the instruction is received by the receiving of the instruction, the boundary between the program section and the CM section in accordance with the corrected boundary information, and extracting and outputting a section of the AV content indicated by the instruction and based on the corrected boundary information.

Claim 13 (Previously Presented)   An integrated circuit used in an AV content processing device for outputting at least a portion of an AV content including a program section and a commercial message (CM) section, the integrated circuit comprising:

an acquisition section for acquiring boundary information indicating a boundary between the program section and the CM section, indicating a number of unit CM sections included in the CM section, and indicating a position of each unit CM section; and

a boundary correction section for (i) receiving, from a user, an instruction for extracting

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and outputting a predetermined section of the AV content, (ii) selecting, in accordance with a type of the instruction, whether the boundary is shifted in one of a direction causing the CM section to be short and a direction causing the CM section to be long, and (iii) correcting a content of the boundary information to cause the boundary to shift in accordance with the selected direction of the boundary shift.